

326 IAC 2-9-10 Coal mines and coal preparation plants

Authority: IC 13-14-8; IC 13-15-2; IC 13-17-3-4; IC 13-17-3-11

Affected: IC 13-15; IC 13-17

Sec. 10. (a) The following definitions apply throughout this section:

(1) "Coal" means all solid fossil fuels classified as anthracite, bituminous, subbituminous, or lignite by ASTM Designation D388-88*.

(2) "Coal mine" means an individual excavation site from which coal is removed by surface or underground mining operations.

(3) "Coal preparation plant" means any facility (excluding underground and surface mining operations) that prepares coal by one (1) or more of the following processes:

(A) Breaking.

(B) Crushing.

(C) Screening.

(D) Wet or dry cleaning.

(E) Thermal drying.

(4) "Coal processing and conveying equipment" means any machinery used to reduce the size of coal or to separate coal from refuse, and the equipment used to convey coal to or remove coal and refuse from the machinery. This includes, but is not limited to, the following:

(A) Breakers.

(B) Crushers.

(C) Screens.

(D) Conveyor belts.

(5) "Collocated source" means any coal preparation facility and coal mine that are:

(A) located on one (1) piece of property or on contiguous or adjacent properties; and

(B) which are owned or operated by the same person (or by persons under common control).

(6) "Material transfer" means the transfer of material:

(A) from process equipment onto the ground;

(B) from the ground into hauling equipment;

(C) from hauling equipment onto a storage pile;

(D) from a storage pile into hauling equipment for transport; or

(E) into an initial hopper for further processing.

(7) "Refuse" means the portion of mined coal which is rejected by the preparation plant as unsalable.

(8) "Thermal dryer" means any facility in which the moisture content of bituminous coal is reduced by contact with a heated gas stream that is exhausted to the air.

(b) Any coal preparation plant, coal mine, or collocated source may elect to be subject to this section by complying with the requirements of section 1 of this rule and meeting the following conditions:

(1) Coal preparation plants that do not utilize thermal dryers or pneumatic coal cleaning equipment and do not emit particulate matter less than ten microns (PM₁₀) in excess of or equal to one hundred (100) tons per year, including fugitive particulate emissions, shall limit the total annual tons of coal shipped to less than five million (5,000,000) tons per year and must comply with the following:

(A) Each coal preparation plant shall maintain at the site total annual throughput records for the previous twelve (12) months on a monthly rolling total, and records shall be kept for a minimum of five (5) years.

(B) The screening, crushing, and conveying operations at a coal preparation plant shall be enclosed, unless a wet suppression system is used, such that visible emissions shall not exceed an average of twenty percent (20%) opacity in twenty-four (24) consecutive readings in a six (6) minute period using procedures in 40 CFR 60, Appendix A, Method 9**.

(2) Fugitive particulate emissions at a coal preparation plant, coal mine, or collocated source from open storage piles, unpaved roadways, or batch transfer operations shall be controlled by applying water or other approved dust suppressant on an as needed basis such that the following visible emission conditions are met:

(A) Visible emissions from storage piles shall not exceed twenty percent (20%) in twenty-four (24) consecutive readings in a six (6) minute period. This limitation shall not apply during periods when application of control measures are ineffective or unreasonable due to sustained high wind speeds. The opacity shall be determined using 40 CFR 60, Appendix A, Method 9**, except that the opacity shall be observed at the point of maximum opacity. The observer shall stand at least fifteen (15) feet, but not more than one-fourth (") mile, from the plume and at approximately right angles to the plume.

(B) Visible emissions from unpaved roads shall not exceed an average instantaneous opacity of twenty percent (20%). The average instantaneous opacity shall be the average of twelve (12) instantaneous opacity readings, taken for four (4) vehicle passes, consisting of three (3) opacity readings for each vehicle pass. The three (3) opacity readings for each vehicle pass shall be taken as follows:

- (i) The first will be taken at the time of emission generation.
- (ii) The second will be taken five (5) seconds after the first.
- (iii) The third will be taken five (5) seconds after the second or ten (10) seconds after the first.

The three (3) readings shall be taken at approximately four (4) feet from the surface at the point of maximum opacity. The observer shall stand at least fifteen (15) feet, but not more than one-fourth (") mile, from the plume and at approximately right angles to the plume.

(C) Visible emissions from material transfer operations shall not exceed an average instantaneous opacity of twenty percent (20%). The average instantaneous opacity shall be the average of three (3) opacity readings taken five (5) seconds, ten (10) seconds, and fifteen (15) seconds after the end of one (1) material loading or unloading operation. The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand at least fifteen (15) feet, but not more than one-fourth (") mile, from the plume and at approximately right angles to the plume.

(3) All visible emission readings shall be performed by a qualified observer as defined in 326 IAC 1-2-62.

(4) Fugitive particulate emissions at a coal preparation plant, coal mine, or collocated source shall not escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, pursuant to 326 IAC 6-4.

(5) The annual notice required by section 1(d) of this rule shall also include the legal description of the source's location.

(6) Each coal preparation plant, coal mine, or collocated source shall pay a one-time application fee of five hundred dollars (\$500) and an annual fee of six hundred dollars (\$600).

*Copies of ASTM methods have been incorporated by reference and are available at the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959 or are available for copying at the Indiana Department of Environmental Management, Office of Air Management, Indiana Government Center-North, 100 North Senate Avenue, Indianapolis, Indiana 46204-2220.

**Copies of the Code of Federal Regulations have been incorporated by reference and are available from the Superintendent of Documents, Government Printing Office, Washington D.C. 20402 or are available for copying at the Indiana Department of Environmental Management, Office of Air Management, Indiana Government Center-North, 100 North Senate Avenue, Indianapolis, Indiana 46204-2220. (*Air Pollution Control Board; 326 IAC 2-9-10; filed May 7, 1997, 4:00 p.m.: 20 IR 2310*)